Title: CHIMERIC, HUMAN AND HUMANIZED ANTI-GRANULOCYTE ANTIBODIES AND METHODS OF USE Inventor(s): GOLDENBERG et al. Atty. Dkt. No.: 018733-1267

Replacement Sheet



P V S L G D Q A S I S C R S G S I V CCTGCAGAAACCTCCAAACCTCCAAACGTTCGAACGTTTCAAAGGTTTCGAACGATTT GGACGTCTTTGGTCCGGTCAACCTCCTCATCTACAAAGTTTCCAACCGATTT GGACGTCTTTGGTCCGGTCAAGGTTTGGAGGATTCAAAGGTTTCAAAGGTTTCGAAA L Q K P G Q S P N L L I Y K V S N R F CDR2 ATCAGGGACAAGTTTCACACTCAAAGATTCACAGCTGAGGTTTTCAAAGGTTTGGAGGTTTTTCACACTCAAAGTTTCACACTCAAAATTCACACTCAAAATTCACACTCAAAATTCACACTCAAAATTCACACTCAAAATTCACACTCACACTCACACTCCAACTTCACACTCACACTCAAAATTCACACACTCAAAATTCACACTCACACTCAAAATTCACACTCAAAATTCACACTCAAAATTCACACTCACACTCAAAATTCACACTCAAAATTCACACTCAAAATTCACACTCAAAATTAATTTTACTCCTGAAATTCAAAATTCACACTCAAAATTAATT	AGCATTGTGATGACCCAGACTCCCCTGCCTGTCAGTCTTGGAGATCAAGCCTCCATCTTGCAGATCTAGTCAGAGCATTGTA++++++	G
CCTGCAGAAACCAGGCCAGTCTCCAAAACCTCTCAAAAGTTTCCAACCGATTT GGACGTCTTGGTCCGTCAGAGGTTTGGAGGAGTTCCAAAGGTTTCCAACCGATTT GGACGTCTTTGGTCCGGTCAGAGGTTTGGAGGATGTTTCAAAGGTTGGCTAAA A0 L Q K P G Q S P N L L I Y K V S N R F CDR2 ATCAGGGACAGATTCACACTCAAGATCGCTCTCACCTCGGAGTT TAGTCCCTGTCTAAAGTGTGAGTTCTAGTCGTCTCACCTCGAGCTCTAGACCCTCAA S G T D F T L K I S R V E A E D L G V GACGTTCGGTGGAGCCACCAAGCTGGAAATCAAACGGGCTGAGTGGAGTGGAGTGTG T F G G T K L E I K R 333 333	10	0
CCTGCAGAACCAGGCCAGTCTCCAAACCTCCTCATCTACAAAGTTTCCAACCGATTT GGACGTCTTTGGTCGGTCAGAGGTTTGGAGGAGTTGGAGTTGGCTAAA 10	IVMTOTPLSLPVSLGDQASISCRSSQSIV	30
CGACGTCTTTGGTCCGGTCAGAGGTTGGAGGTTGCTAAA L Q K P G Q S P N L L I Y K V S N R F CDR2 ATCAGGGACAGATTTCACACTCAAGATCAGCAGGGCTGAGGATCTTGGGAGTT TAGTCCTGTCTAAAGTGTGAGTTCTAGTCGTCTCACCTCCGACTCTGGAGTT TAGTCCTGTCTAAAGTGTGAGTTCTAGTCTCACCTCCAGACCTCAA S G T D F T L K I S R V E A E D L G V GACGTTCGGTGGAGCTGGAAATCAAAGGGGCTGAGAGCTGAGCTGAA CTGCAAGCCACCAAGCTGGAAATCAAAGGGGCTGAGACTGGAGTT T F G G T K L E I K R 3 3 3	GTAATGGAAACACCTATTTAGAATGGTACCTGCAGAAACCAGGCCAGTCTCCAAACCTCCTCATCTACAAAGTTTCCAACCGATTT	•
L Q K P G Q S P N L L I Y K V S N R F CDR2 ATCAGGGACAGATTTCACACTCAAGATCAGCAGGAGTCTGGGAGTT TAGTCCTGTCTAAAGTGTGAGTTCTAGTCGTCTCACCTCGACTCCTAGACCCTCAA S G T D F T L K I S R V E A E D L G V GACGTTCGGTGGAGCCACAAGCTGGAAATCAAACGGGCTGAGGCTGAGCTGAA CTGCAAGCCACCTCCGTGGTTCGACTTTAGTTTGCCGGACTGTGACAT 100 108 T F G G T K L E I K R	CALIACCITTGTGGATAAATCTTACCATGGACGTCTTTGGTCCGGTCAGAGGTTTGGAGGAGTAGATGTTTCAAAGGTTGGCTAAA E 30 S N G N	180
ATCAGGGACAGATTTCACACTCAAGATCAGCAGGAGTGGAGGTTTTTAGTTCTTTTAGTTCTTTTTTTT	CDR1 TERMYLOKPGOSPNILIYKVSNRF	
TAGTCCTGTCTAAAGTGTGAGTTCTAGTCGTCTCACCTCGACTCCTAGACCCTCAA S G T D F T L K I S R V E A E D L G V GACGTTCGGTGGAGCCACCAAGCTGGAAATCAAACGGGCTGATGGTGGACCACCTGGAATTGATTTGCCCGACTAGGTTGACGT 100 108 T F G G T K L E I K R	GGGTCCCAGACAGGTTCAGTGGCAGTGGATCAGGGACAGATTTCACACTCAAGATCAGCAGAGTGGAGGCTGAGGATCTGGGAGTT	
S G T D F T L K I S R V E A E D L G V GACGTTCGGTGGAGCACCAAGCTGGAAATCAAACGGgctgatgctgcaccaactgta CTGCAAGCCACCTCCGTGGTTCGACTTTAGTTTGCCGgactacgacgtggttgacat 100 108 T F G G G T K L E I K R	60 70 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	270
GACGTICGGIGGAGGCACCAAGCIGGAAATCAAACGGgetgatgetgeaccaactgta +	G V P D R F S G S G T D F T L K I S R V E A E D L G V	
	ACTGCTTTCAAGGTTCACATGTTCCTCCGACGTTCGGTGGAGGCACCAAGCTGGAAATCAAACGGgctgatgctgcaccaactgta	
FGGTKLEIKR	16ACGAAAGTTCCAAGTGTACAAGGAGGCTGCAAGCCACCTCCGTGGTTCGACCTTTAGTTTGCCcqactacaaaaataataaaaa	339
	YCFQGSHVPPTFGGGTKLEIKR	
	tcttcccaccatccagtgaggatccggc +	
	agaaagggtggtaggtcactcctaggccg	339

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CAGGICCAACTICGGAGGTCTGGACCTGAAGAAGACAGCTGAAGATATCCTGCAAGGCTTCTGGGTATACCTTCAGA 1 0 V 0 L 0 E S G P E L K R P G E T V K I S C K A S G Y T F R 10 V 0 L 0 E S G P E L K R P G E T V K I S C K A S G Y T F R 11 TGATACCTTGCAAACAGGCTTCAGCAAAGGGTTTAAAGTGGATGGGCTGGATAACACTTGGAAGACCATTGTAGAAGTTCCAAGATTTCCAAGATTTCACCAACATTTTCAGAATTCTCGGATGAACCTTTGTAGAAGCCAACATTTTAACTTCTAAGAGCCTTTGTAAAACACTTTGTAGAAACCTTTGGAAAACTTTCCAAAATTTCCAAGATTTTCCAAGATTTTCCTGGATGTAAAAACTTTTCCAAAAAAACACTTTTAAAAAACACTTTGAAAAACTTTGAAAAACTTTGAAAAACTTTGAAAAAACTTTGAAAAAACTTTGAAAAAACTTTTAAAAAACTTTTAAAAAAAA
CAGGTCCAACTGCAGGAGTCTGGACCTGGCCTGGCCTCGGACTCGGACTCGGACTCGGACTCGGACTCGGACTCGGACTCGGACTCGGACTCGGACTCGGACTCGGACTCCGGACTCCGAGGACTCCTGAACTGCAAACAGGAACAGGAACAGAAACAGGAACACTTGCCTTCTCGAACTTCCTTC

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Replacement Sheet

DIQMTQSPSSLSASVGDRVTITCDASQ----DIIKYLNW SIVM. •T.L. • PV.L. • QAS.S. | • S. • SIVHSNGNT. • E. ·L·K··QS·N·····KV··RFS YQQTPGKAPKLLIYEASNLQAGVPSRFSGSGSGTDYTFT TNBNSHATS • S • | • S • S • • • • SSLQPEDIATYYCQQYQSLPYTFGQGTKVQITR RVEA • • GV • • F • GSHV • P • • G • • • LEIKR • F • GSHV • P • • G • • • EIKR 27 A B C D E • • KVSNRFS • • D• • • DIQL. hMN3Vk hMN3Vk hMN3Vk MN3Vk REIVK MN3Vk REIVK MN3Vk REIVK

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PVQLVQSGAEVKKPGSSVKVSCKASGGTFSRSAIIWVRQA QVQLQE••P•L•••ET••I••••Y••RNYGMN••K••	PGQGLEWMGGIVPMFGPPNYAQKFQGRVTITADESTNTAY • K••K••W•NTYT•E•T••DD•K••FAFSLET•AS•••	MELSSLRSEDTAFYFCAGGYGIYSPEEYNGGLVTV LQINNVKNTRKGWMDFNGSSLDY	WGQGTPVTVSS ••••T•TVSS
EU_VH	EU_VH	EU_VH	KOL_VH
MN3VH	MN3VH	MN3VH	MN3VH
hMN3VH	hMN3VH	hMN3VH	hMN3VH